Approved For Release 2002/08/28: CIA-RDP63-00313A000500020066-3 25X1 Copy 7 of NRO REVIEW COMPLETED 4 Cetaber 1962 MERCHANIN FOR I Supply Director (Research) t Records on Lookbood Prolininary Donfor SUPLECT Dividy of Estatet Drone l. A conclusive evaluation of this proposal carnot be made on the basis of the preliminary and imposplate data presented in the Lockheed report; however, a few observations are presented on sertain demian features. 2. Beveral medicinary studies have been made by lookheed and others to evolve a drone version of the U-2 sireraft and Lockheed has made a proliminary study of a drope vargion of the basic A-12 strengt. In the U-2 case, the study results showed warginal fagsibility; in the A-12 case Lockheed believes a drone version could be built, however, the Government bas not established a first view. 3. In the surport report Lockheed proposes a staged oscidination of a modified 4-12 as lameber and a remjet powered recommandeness draws recommissance vehicle. The drope configuration is 45 feet long, twenty feet wing apan, and 14,000 pounds launch weight. 4. In 1950-57, when this Agency was sponsoring Dessibility studies which loss to the present CLCANT progress, a prolintness development was for a similar staged conducted with 25X1 but mileted recognisance aircraft using the 3-52 as a laureber and a regist recommissence sirerest of 47 feet length, 37 feet wing open, and 36,000 pounds gross weight. The difference in sime and weight of the 25X1 25X1 sireraft vs. the current lockbook proposal is explained by the 25X1 following performance tabulations Lockbook staced drone leave after leusely Creating approxi Cruise Altitudes project was encelled in 1959 largely because 25X1 of the operational complexities and lessor reliability of such a staged system

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as compared to an unstaged strengt.

6. By may of specific reserves on the Lockbeed droce proposal the following can be said:	
a. Minimizion of the danger of capture of a pilot has obvious political advantages above and beyond a technical appraisal of the sort attempted here. However, it must be remainered that in an opergramy elteration the actrooms of high temperature and dynamic presence excountered in the A-12 case as symbot the 3-3 mean that exergency elterations involving the A-12 are more severe in terms of pilot murdival than those involving a 5-2 type sircraft.	
h. The drone proposal provides a JOC pound easure payload allowance in a volume several times smaller than that available in the A-12. Common for the A-12 are about 600 pounds in weight.	
proved that space restrictions do not allow covers designers sufficient latitude to obtain photographic resolutions and ground coverage equal to that expected from the A-12. To essure design has been included in the Lockbest report and hence no quantitative comparison can be taken because, the drame webtale could not be expected to equal photographic resolution, ground coverage, and other desirable photographic landures ential paint from the A-12.	25X1
c. The region power plant installation as proposed includes an inlet dost of about 35 ft. langth. Swen if a production ranjet were waitable in terms of thrust, weight, and fuel consumption, an extensive duct development must be maticipated for the proposed installation.	25X1

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Tockedeal Analysis and Engineering Staff COA-WOYS

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